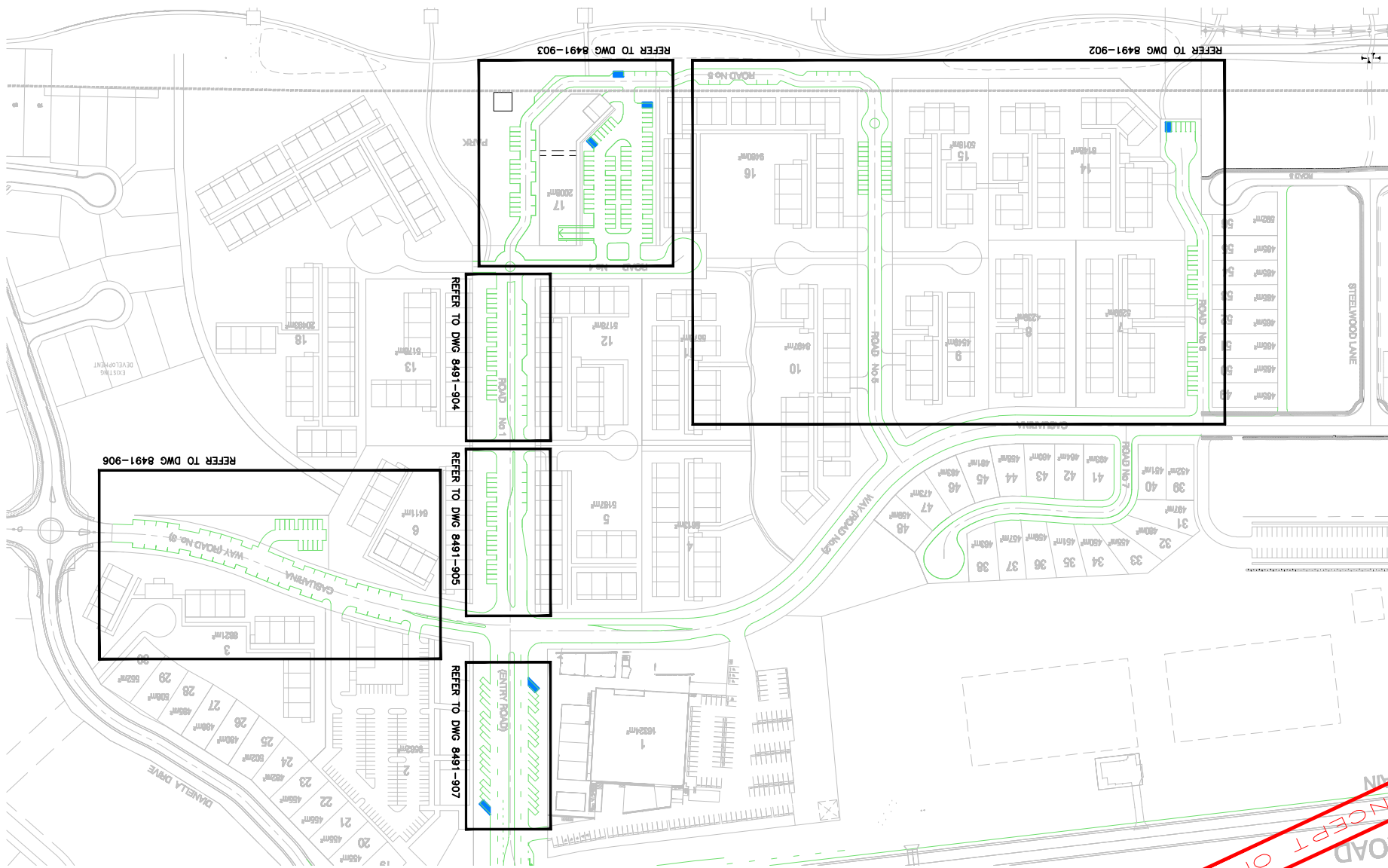


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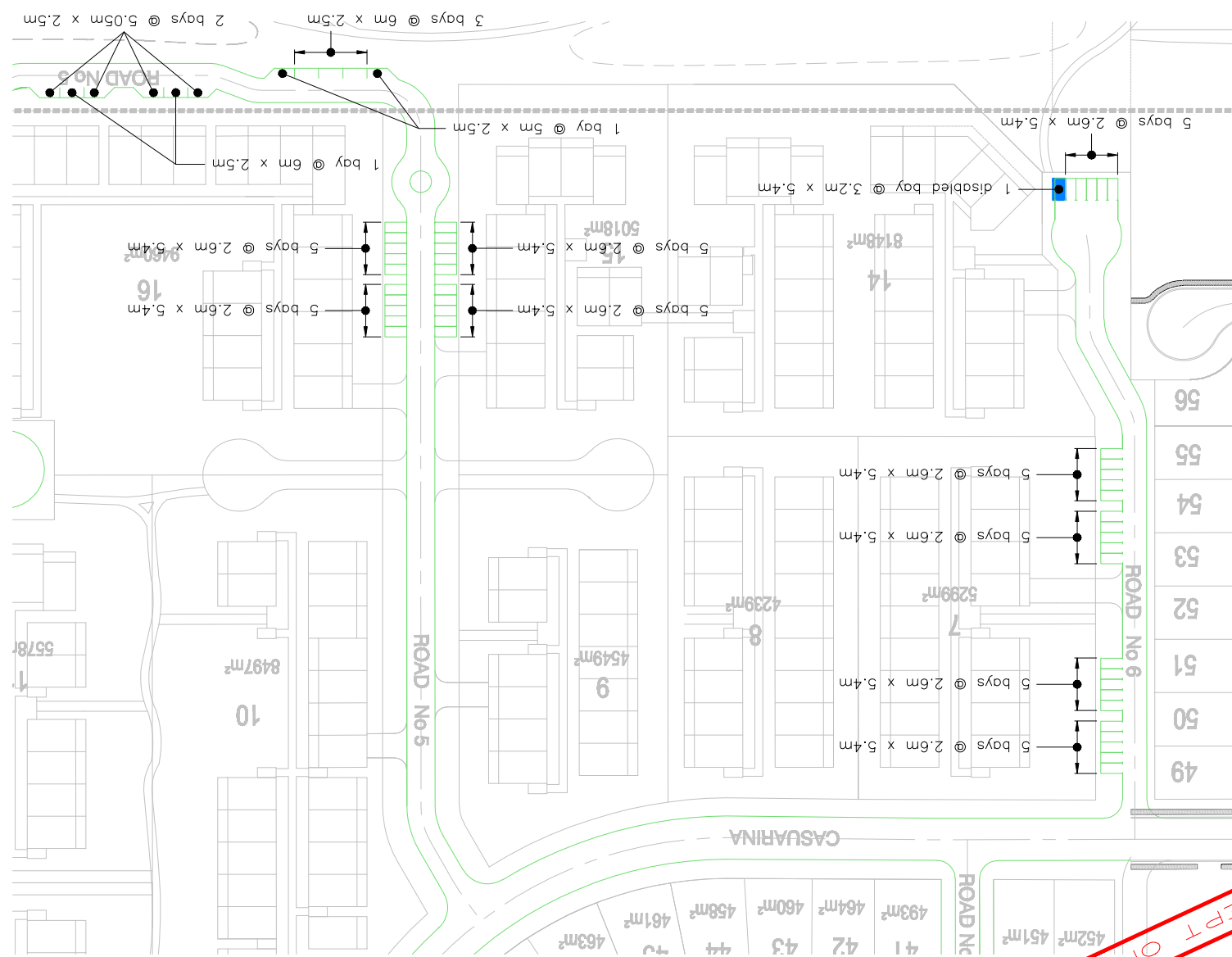
7.04.08	AX
2008	By

PRELIMINARY PRINT
NOT FOR CONSTRUCTION

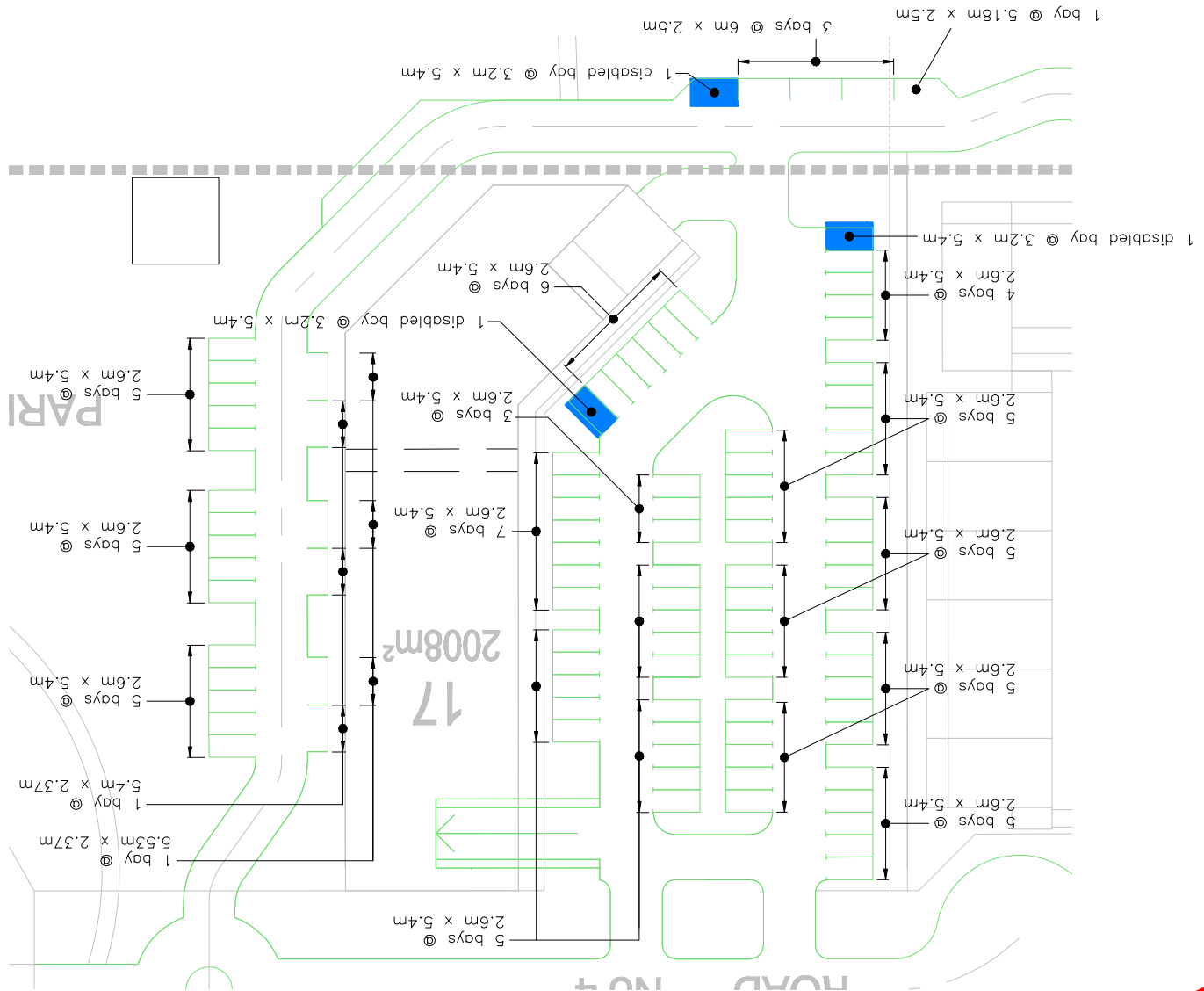
CASUARINA TOWN CENTRE	AX		
	BM	AX	AX

PARKING BAY DIMENSIONS

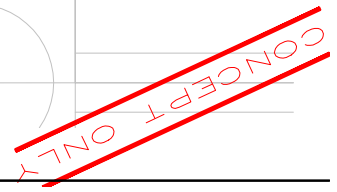
Drawing No.	
8491-902	
Sheet 1 of 1	
Scale 1:500 at A1	
Project CE008481	
Job Ref. XXXXXX	
Approved By XXXXXXXXXXXX	



CONCEPT ONLY



A SCALE FOR COMMENT		17/04/08		17/04/08	
DATE: 1:250 AT A1		DATE: 1:250 AT A1		DATE: 1:250 AT A1	
PROJECT: CE008491		PROJECT: CE008491		PROJECT: CE008491	
DRAWN BY: 8491-903		DRAWN BY: 8491-903		DRAWN BY: 8491-903	
CHECKED BY: 8491-903		CHECKED BY: 8491-903		CHECKED BY: 8491-903	
APPROVED BY: 8491-903		APPROVED BY: 8491-903		APPROVED BY: 8491-903	
PROJECT: 8491-903		PROJECT: 8491-903		PROJECT: 8491-903	
TOWN CENTRE		TOWN CENTRE		TOWN CENTRE	
CONSOLIDATED PROPERTIES		CONSOLIDATED PROPERTIES		CONSOLIDATED PROPERTIES	
DIMENSIONS		DIMENSIONS		DIMENSIONS	
8491-903		8491-903		8491-903	
1 of 1		1 of 1		1 of 1	
A		A		A	



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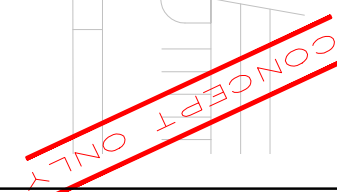
PRELIMINARY PRINT
NOT FOR CONSTRUCTION

SCALE 1:100 @ A1
20 METERS

North

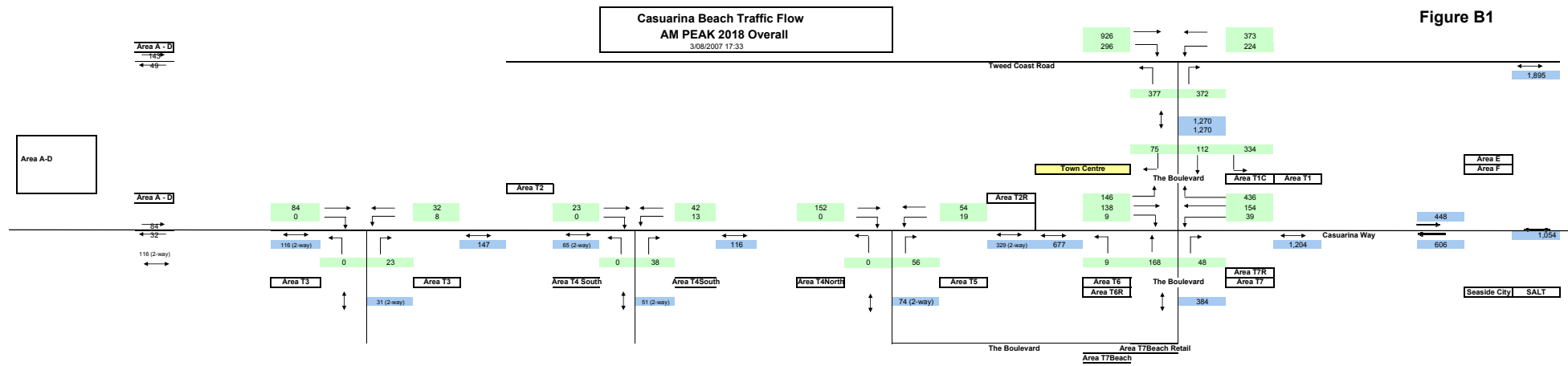
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Client: CONSOLIDATED PROPERTIES
Drawing Title: PARKING BAY DIMENSIONS
Drawing No: 8491-905
Scale: 1:250 at A1
Sheet: 1 of 1
Project: CE008491
Rev: A

ADVISED: 04/01/2024
Date: 04/01/2024
By: [Signature]





Appendix B
Traffic Volumes



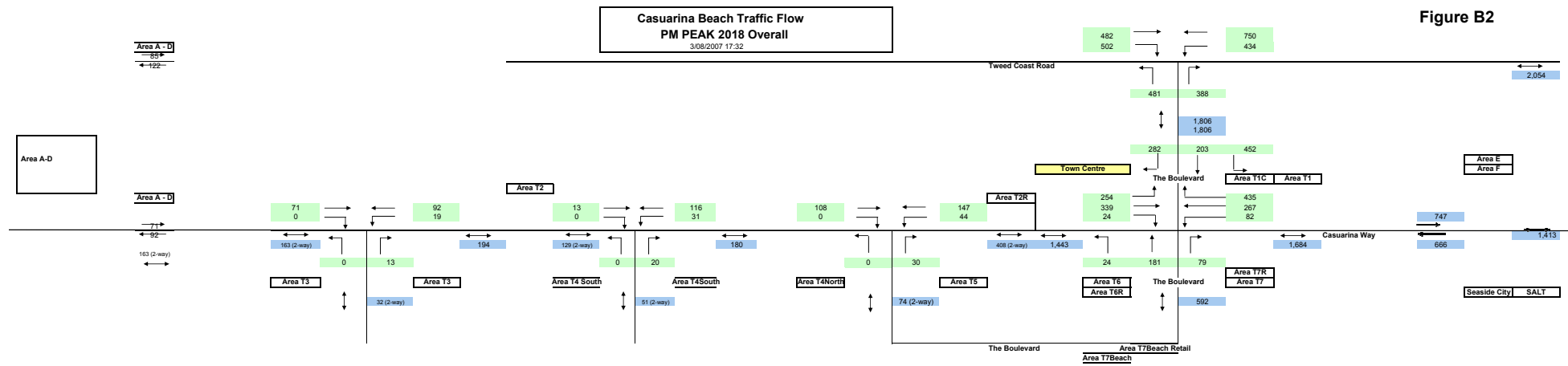
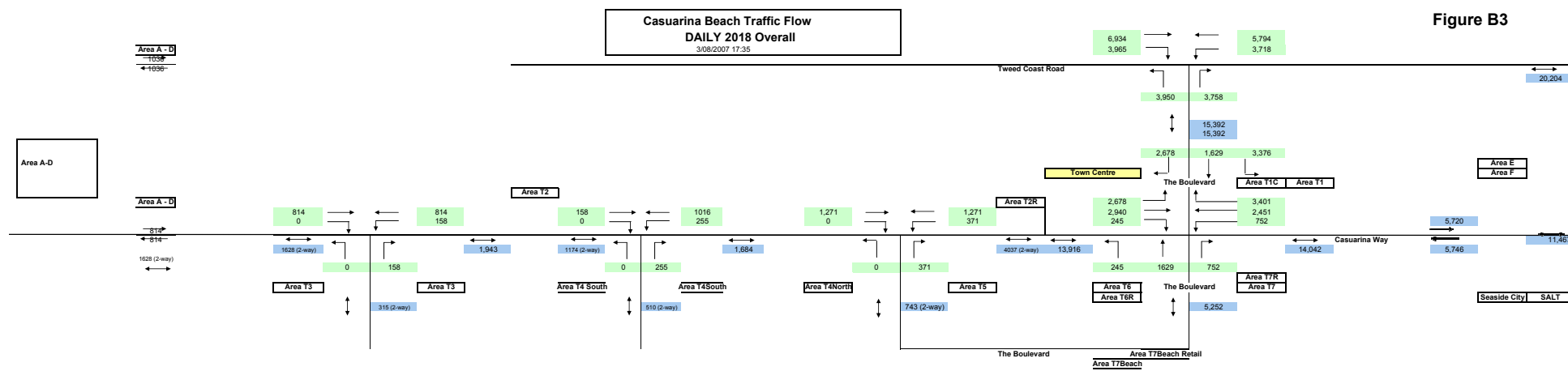
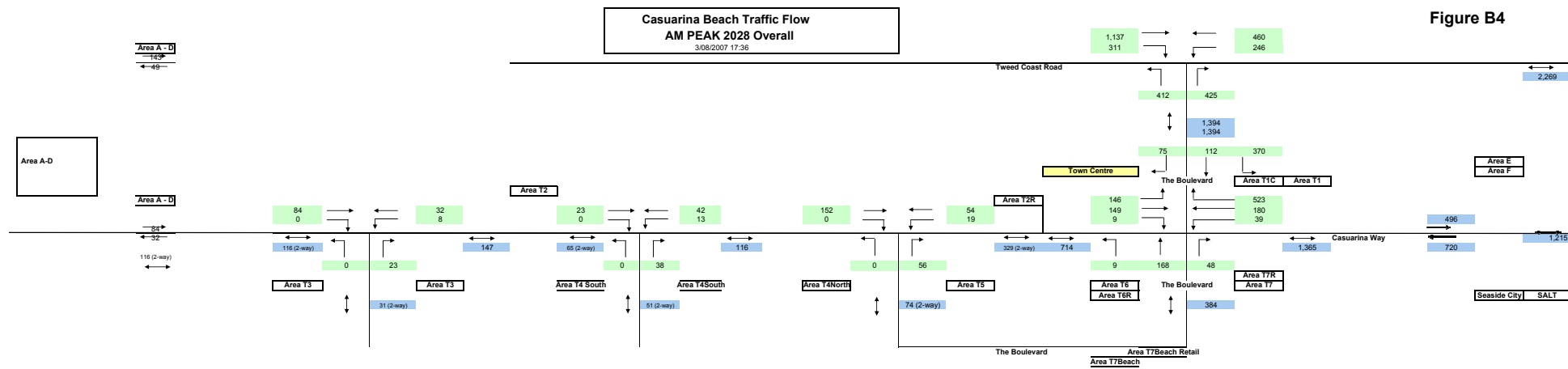
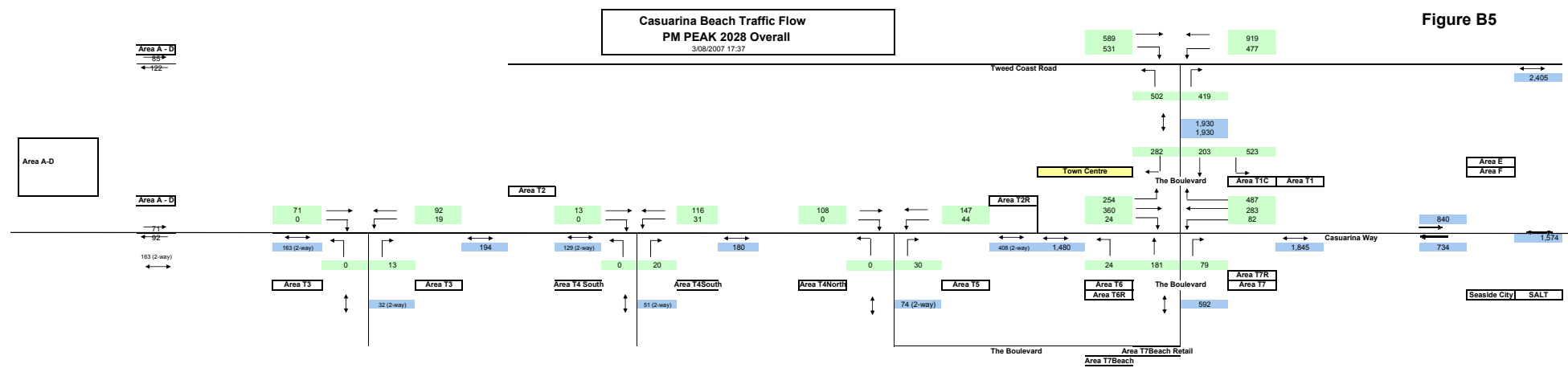
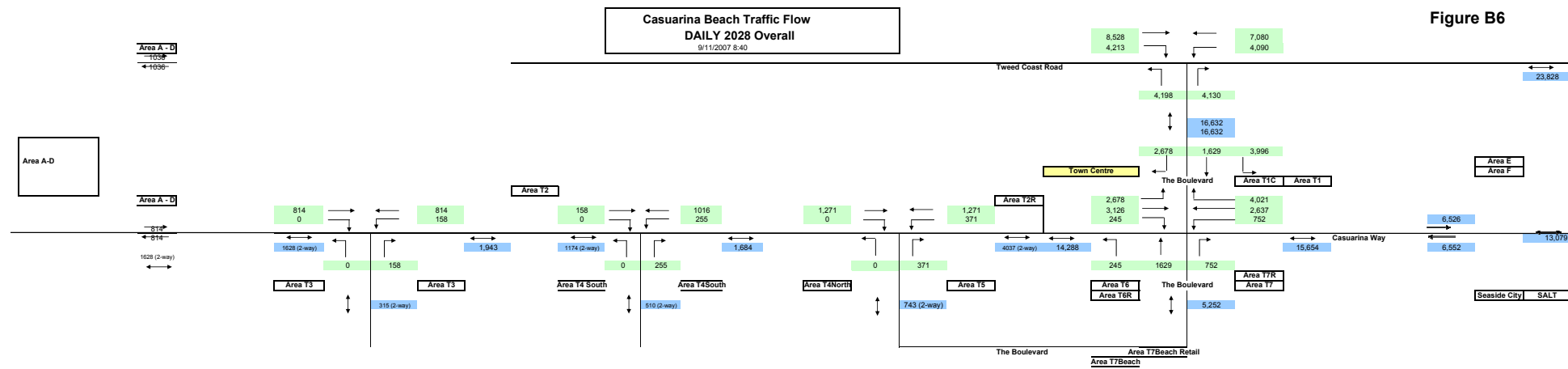


Figure B3









Appendix C
Traffic Count Data

AUSTRALASIAN TRAFFIC SURVEYS MANUAL INTERSECTION COUNT

Site No.: 1

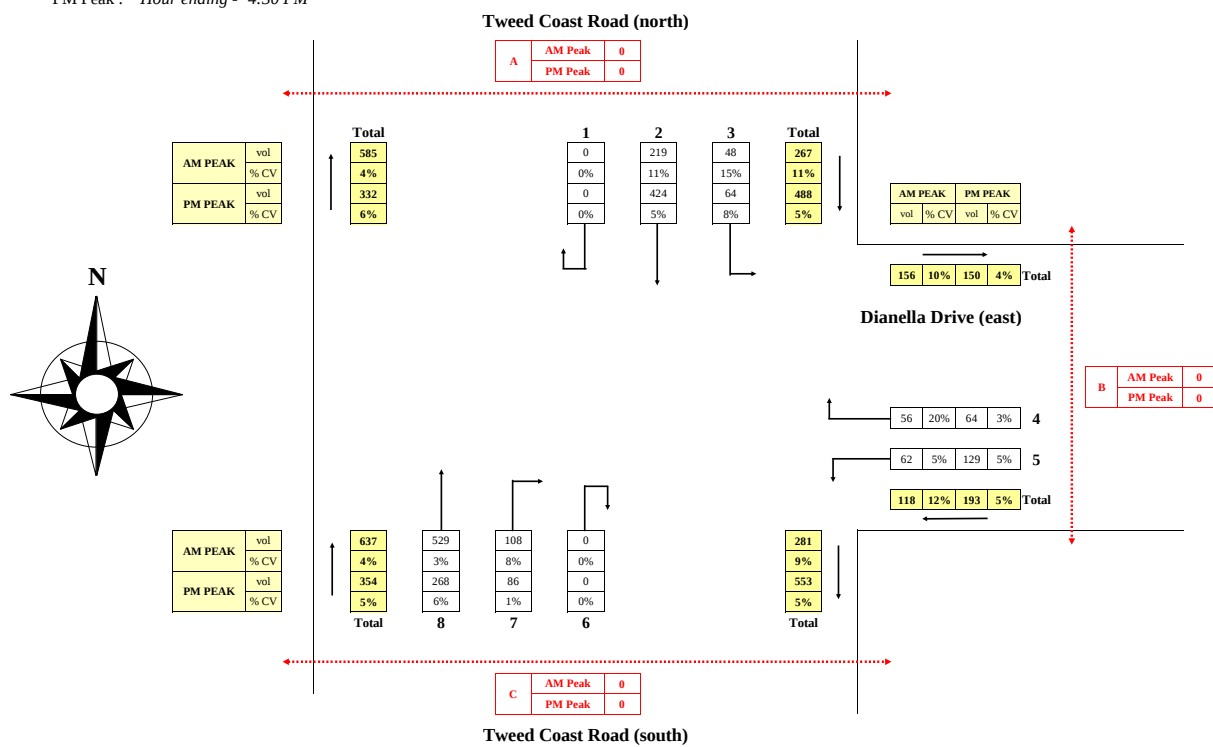
Location: Tweed Coast Road/Dianella Drive, Casuarina Beach

Day/Date: Friday 10 November 2006

Summary: AM Peak : Hour ending - 9:15 AM

PM Peak : Hour ending - 4:30 PM

Figure C.1



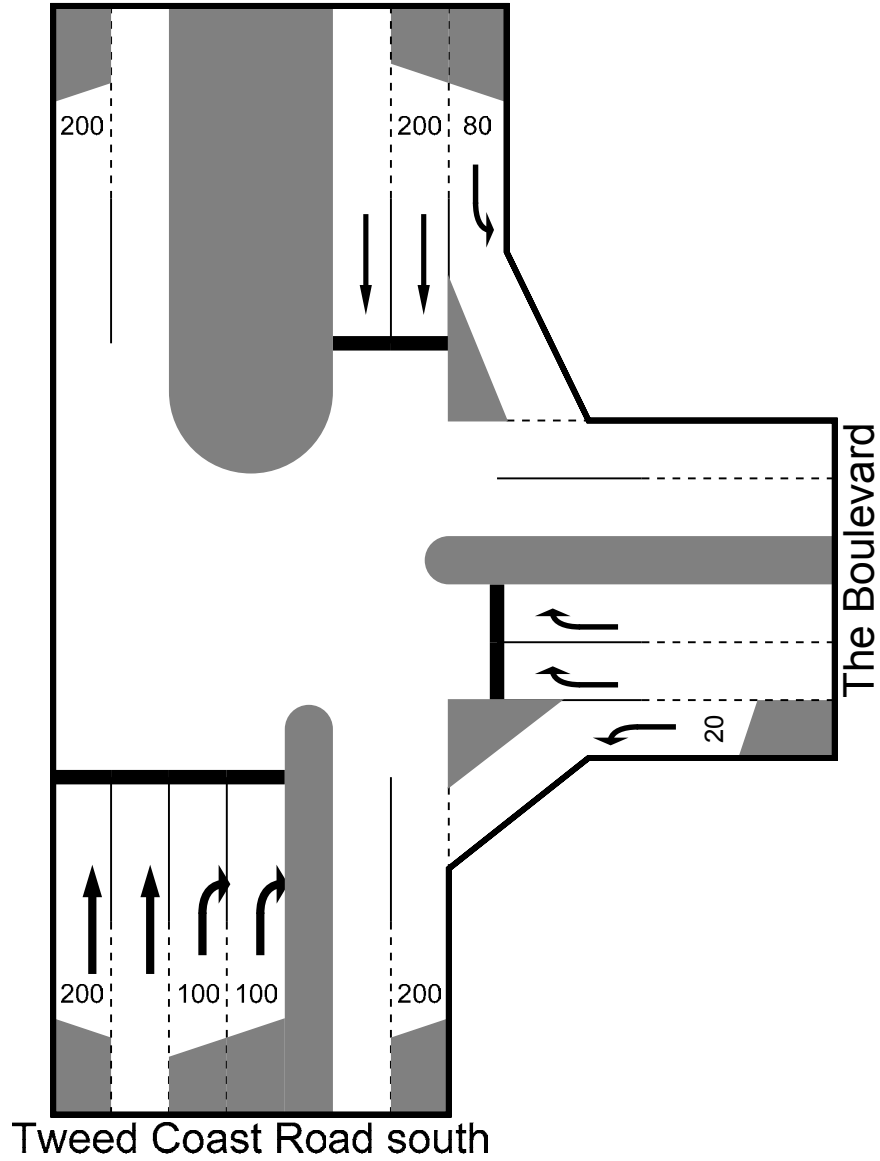
Appendix D

SIDRA Intersection 3.1 Results

Figure D.1

Tweed Coast Road/The Boulevard

Tweed Coast Road North



Tweed Coast Road south

2018 AM Peak Movement Summary



Movement Summary

Casuarina Tweed Coast Road The Boulevard

2018 Master Plan AM Peak

Signalised - Fixed time Cycle Time = 120 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	%HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95 % Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Tweed Coast Road south										
2	T	926	4.0	0.451	14.6	LOS B	125	0.59	0.53	42.8
3	R	296	4.1	0.412	46.9	LOS D	64	0.87	0.80	26.3
Approach		1222	4.0	0.451	22.4	LOS C	125	0.66	0.59	37.1
The Boulevard										
4	L	377	4.0	0.454	8.6	LOS A	15	0.31	0.68	48.1
6	R	372	4.0	0.325	41.6	LOS D	72	0.81	0.80	28.1
Approach		749	4.0	0.454	25.0	LOS C	72	0.56	0.74	35.6
Tweed Coast Road North										
7	L	224	4.0	0.200	8.4	LOS A	14	0.16	0.64	48.9
8	T	373	4.0	0.380	39.5	LOS D	77	0.87	0.72	28.8
Approach		597	4.0	0.380	27.8	LOS C	77	0.61	0.69	34.1
All Vehicles		2568	4.0	0.454	24.4	LOS C	125	0.62	0.66	35.9

2018 AM Peak Phasing



Phasing Summary

Casuarina Tweed Coast Road The Boulevard

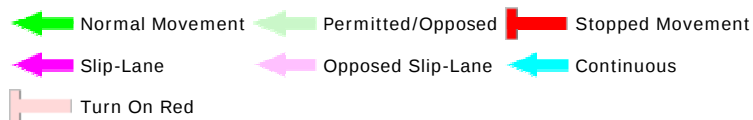
2018 Master Plan AM Peak

C = 120 seconds

Cycle Time Option: **User-specified cycle time**

Phase times determined by the program.

Phase G	Phase H	Phase I
Green Time = 31 seconds Phase Time = 37 seconds Phase Split = 31 %	Green Time = 33 seconds Phase Time = 39 seconds Phase Split = 33 %	Green Time = 38 seconds Phase Time = 44 seconds Phase Split = 37 %



2018 PM Peak Movement Summary



Movement Summary

Casuarina Tweed Coast Road The Boulevard

2018 Master Plan PM Peak

Signalised - Fixed time Cycle Time = 120 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	% HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95 % Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Tweed Coast Road south										
2	T	482	3.9	0.191	5.5	LOS A	46	0.34	0.29	52.2
3	R	502	4.0	0.638	44.5	LOS D	101	0.90	0.84	27.1
Approach		984	4.0	0.638	25.4	LOS C	101	0.62	0.57	35.4
The Boulevard										
4	L	481	4.0	0.585	9.0	LOS A	21	0.42	0.70	47.5
6	R	388	4.1	0.615	58.4	LOS E	89	0.98	0.82	23.1
Approach		869	4.0	0.615	31.0	LOS C	89	0.67	0.76	32.4
Tweed Coast Road North										
7	L	434	3.9	0.461	9.0	LOS A	39	0.24	0.67	48.2
8	T	750	4.0	0.623	37.6	LOS D	141	0.91	0.79	29.5
Approach		1184	4.0	0.623	27.1	LOS C	141	0.66	0.74	34.5
All Vehicles		3037	4.0	0.638	27.7	LOS C	141	0.65	0.69	34.1

2018 PM Peak Phasing



Phasing Summary

Casuarina Tweed Coast Road The Boulevard

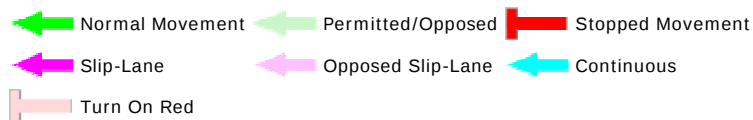
2018 Master Plan PM Peak

C = 120 seconds

Cycle Time Option: **User-specified cycle time**

Phase times determined by the program.

Phase G	Phase H	Phase I
Green Time = 38 seconds Phase Time = 44 seconds Phase Split = 37 %	Green Time = 43 seconds Phase Time = 49 seconds Phase Split = 41 %	Green Time = 21 seconds Phase Time = 27 seconds Phase Split = 23 %



2028 AM Peak Movement Summary



Movement Summary

Casuarina Tweed Coast Road The Boulevard

2028 Master Plan AM Peak

Signalised - Fixed time Cycle Time = 120 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	% HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95 % Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Tweed Coast Road south										
2	T	1137	4.0	0.496	10.6	LOS B	137	0.53	0.48	46.5
3	R	311	3.9	0.409	44.6	LOS D	65	0.85	0.80	27.0
Approach		1448	3.9	0.496	17.9	LOS B	137	0.60	0.55	40.2
The Boulevard										
4	L	412	3.9	0.498	8.7	LOS A	17	0.34	0.68	47.9
6	R	425	4.0	0.487	50.5	LOS D	89	0.91	0.82	25.2
Approach		837	3.9	0.498	29.9	LOS C	89	0.63	0.75	32.9
Tweed Coast Road North										
7	L	246	4.1	0.226	8.4	LOS A	15	0.17	0.64	48.9
8	T	460	3.9	0.392	35.0	LOS D	88	0.84	0.70	30.6
Approach		706	4.0	0.392	25.8	LOS C	88	0.60	0.68	35.2
All Vehicles		2991	3.9	0.498	23.1	LOS C	137	0.61	0.64	36.7

2028 AM Peak Phasing



Phasing Summary

Casuarina Tweed Coast Road The Boulevard

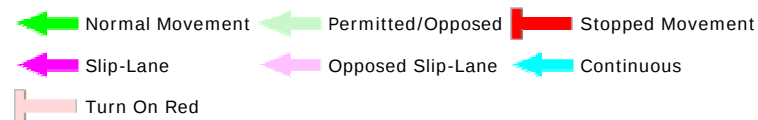
2028 Master Plan AM Peak

C = 120 seconds

Cycle Time Option: **User-specified cycle time**

Phase times determined by the program.

Phase G	Phase H	Phase I
Green Time = 37 seconds Phase Time = 43 seconds Phase Split = 36 %	Green Time = 36 seconds Phase Time = 42 seconds Phase Split = 35 %	Green Time = 29 seconds Phase Time = 35 seconds Phase Split = 29 %



2028 PM Peak Movement Summary



Movement Summary

Casuarina Tweed Coast Road The Boulevard

2028 Master Plan PM Peak

Signalised - Fixed time Cycle Time = 120 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	% HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95 % Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Tweed Coast Road south										
2	T	482	3.9	0.191	5.5	LOS A	46	0.34	0.29	52.2
3	R	531	4.0	0.676	44.0	LOS D	107	0.90	0.85	27.2
Approach		1013	3.9	0.676	25.7	LOS C	107	0.63	0.58	35.2
The Boulevard										
4	L	502	4.0	0.611	9.0	LOS A	22	0.45	0.71	47.4
6	R	419	4.1	0.663	59.2	LOS E	96	0.99	0.84	22.9
Approach		921	4.0	0.663	31.8	LOS C	96	0.69	0.77	32.0
Tweed Coast Road North										
7	L	477	4.0	0.515	9.1	LOS A	44	0.25	0.67	48.1
8	T	750	4.0	0.658	39.5	LOS D	144	0.93	0.81	28.8
Approach		1227	4.0	0.658	27.7	LOS C	144	0.67	0.75	34.2
All Vehicles		3161	4.0	0.676	28.2	LOS C	144	0.66	0.70	33.8

2028 PM Peak Phasing



Phasing Summary

Casuarina Tweed Coast Road The Boulevard

2028 Master Plan PM Peak

C = 120 seconds

Cycle Time Option: **User-specified cycle time**

Phase times determined by the program.

Phase G	Phase H	Phase I
Green Time = 36 seconds Phase Time = 42 seconds Phase Split = 35 %	Green Time = 45 seconds Phase Time = 51 seconds Phase Split = 43 %	Green Time = 21 seconds Phase Time = 27 seconds Phase Split = 23 %

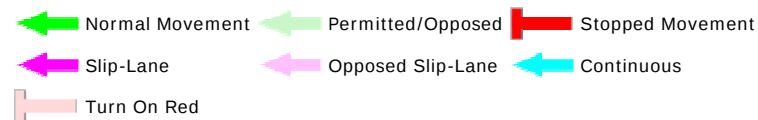
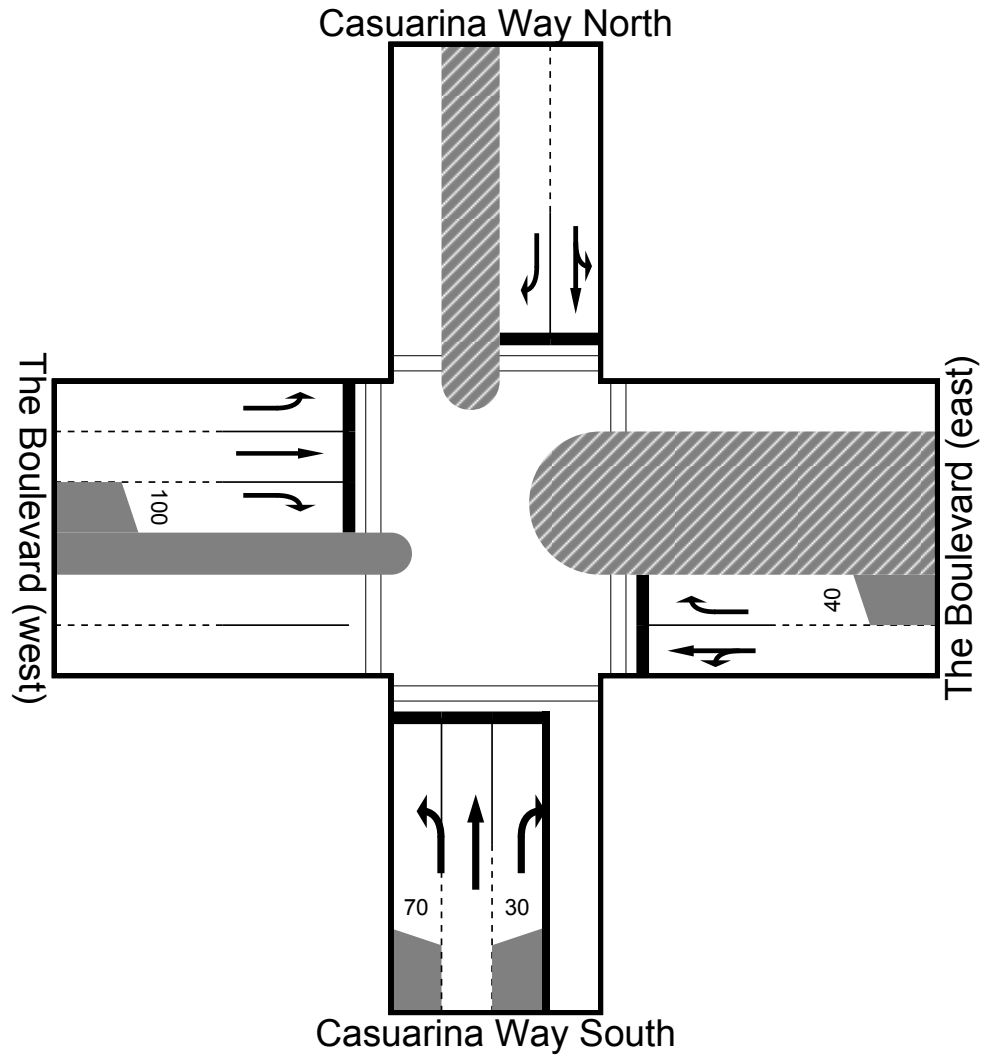


Figure D.2 Casuarina Way/The Boulevard



2018 AM Peak Movement Summary
Movement Summary
Casuarina Way The Boulevard

2018 Masterplan AM Peak

Signalised - Fixed time Cycle Time = 80 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	% HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95 % Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Casuarina Way South										
1	L	146	4.1	0.303	25.9	LOS C	38	0.70	0.77	35.1
2	T	138	4.3	0.306	27.5	LOS C	44	0.87	0.70	34.2
3	R	10	9.1	0.060	34.1	LOS C	4	0.79	0.69	30.9
Approach		295	4.4	0.306	27.0	LOS C	44	0.78	0.73	34.5
The Boulevard (east)										
4	L	10	9.1	0.542	41.9	LOS D	60	0.96	0.81	27.9
5	T	168	4.2	0.542	33.6	LOS C	60	0.96	0.78	31.2
6	R	48	4.2	0.218	40.4	LOS D	18	0.89	0.76	28.4
Approach		227	4.4	0.542	35.4	LOS D	60	0.95	0.78	30.4
Casuarina Way North										
7	L	39	5.1	0.195	19.1	LOS B	39	0.56	0.76	39.4
8	T	154	3.9	0.196	10.7	LOS B	39	0.56	0.47	46.3
9	R	436	3.9	0.691	22.9	LOS C	92	0.87	0.84	36.9
Approach		629	4.0	0.691	19.7	LOS B	92	0.77	0.75	39.0
The Boulevard (west)										
10	L	334	3.9	0.302	16.2	LOS B	56	0.51	0.77	41.6
11	T	112	3.6	0.181	20.9	LOS C	32	0.75	0.60	38.1
12	R	75	4.0	0.255	31.4	LOS C	23	0.90	0.75	32.3
Approach		521	3.8	0.302	19.4	LOS B	56	0.62	0.73	39.2
All Vehicles		1672	4.1	0.691	23.0	LOS C	92	0.75	0.74	36.8

2018 AM Peak Phasing
Phasing Summary
Casuarina Way The Boulevard

2018 Masterplan AM Peak

C = **80** seconds

Cycle Time Option: **Optimum cycle time (Minimum Delay)**

Phase times determined by the program.

Phase G  Green Time = 17 seconds Phase Time = 23 seconds Phase Split = 29 %	Phase H  Green Time = 19 seconds Phase Time = 25 seconds Phase Split = 31 %	Phase I  Green Time = 6 seconds Phase Time = 12 seconds Phase Split = 15 %
Phase J  Green Time = 14 seconds Phase Time = 20 seconds Phase Split = 25 %		

2018 PM Peak Movement Summary

Movement Summary

Casuarina Way The Boulevard

2018 Masterplan PM Peak

Signalised - Fixed time Cycle Time = 90 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	% HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95 % Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Casuarina Way South										
1	L	254	3.9	0.557	27.9	LOS C	68	0.73	0.79	34.0
2	T	339	4.1	0.846	44.4	LOS D	126	1.00	1.01	27.0
3	R	24	4.2	0.146	40.0	LOS D	10	0.84	0.72	28.5
Approach		617	4.1	0.846	37.4	LOS D	126	0.88	0.91	29.6
The Boulevard (east)										
4	L	24	4.2	0.698	49.7	LOS D	77	1.00	0.86	25.4
5	T	181	3.9	0.697	41.3	LOS D	77	1.00	0.86	28.1
6	R	79	3.8	0.458	48.1	LOS D	34	0.95	0.79	25.8
Approach		284	3.9	0.697	43.9	LOS D	77	0.99	0.84	27.2
Casuarina Way North										
7	L	82	3.7	0.364	22.5	LOS C	78	0.64	0.80	37.1
8	T	267	4.1	0.364	14.1	LOS B	78	0.64	0.56	43.2
9	R	435	3.9	0.846	38.8	LOS D	128	1.00	1.00	29.1
Approach		784	4.0	0.846	28.7	LOS C	128	0.84	0.83	33.6
The Boulevard (west)										
10	L	452	4.0	0.382	15.9	LOS B	77	0.49	0.78	41.8
11	T	203	3.9	0.300	22.6	LOS C	59	0.76	0.64	37.0
12	R	282	3.9	0.803	39.1	LOS D	90	1.00	0.92	29.0
Approach		937	3.9	0.804	24.3	LOS C	90	0.70	0.79	36.0
All Vehicles		2622	4.0	0.846	30.8	LOS C	128	0.82	0.83	32.5

2018 PM Peak Phasing
Phasing Summary
Casuarina Way The Boulevard

2018 Masterplan PM Peak

C = **90** seconds
Cycle Time Option: **User-specified cycle time**
Phase times determined by the program.

Phase G  Green Time = 21 seconds Phase Time = 27 seconds Phase Split = 30 %	Phase H  Green Time = 19 seconds Phase Time = 25 seconds Phase Split = 28 %	Phase I  Green Time = 12 seconds Phase Time = 18 seconds Phase Split = 20 %
Phase J 		

2028 AM Peak Movement Summary
Movement Summary
Casuarina Way The Boulevard

2028 Masterplan AM Peak

Signalised - Fixed time Cycle Time = 90 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	% HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95 % Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Casuarina Way South										
1	L	146	4.1	0.348	31.0	LOS C	44	0.75	0.78	32.4
2	T	149	4.0	0.371	33.4	LOS C	53	0.90	0.73	31.3
3	R	10	9.1	0.068	39.4	LOS D	5	0.82	0.69	28.8
Approach		306	4.2	0.371	32.5	LOS C	53	0.83	0.75	31.7
The Boulevard (east)										
4	L	10	9.1	0.610	48.0	LOS D	68	0.98	0.82	25.9
5	T	168	4.2	0.609	39.7	LOS D	68	0.98	0.80	28.7
6	R	48	4.2	0.250	46.3	LOS D	21	0.92	0.76	26.4
Approach		227	4.4	0.609	41.5	LOS D	68	0.97	0.79	28.0
Casuarina Way North										
7	L	39	5.1	0.201	18.0	LOS B	44	0.51	0.76	40.2
8	T	180	3.9	0.202	9.6	LOS A	44	0.51	0.43	47.4
9	R	523	4.0	0.702	22.1	LOS C	110	0.86	0.85	37.4
Approach		742	4.0	0.702	18.8	LOS B	110	0.76	0.74	39.6
The Boulevard (west)										
10	L	370	4.1	0.313	15.5	LOS B	63	0.46	0.76	42.2
11	T	112	3.6	0.203	26.1	LOS C	37	0.79	0.64	34.9
12	R	75	4.0	0.303	37.0	LOS D	27	0.93	0.75	29.8
Approach		557	3.9	0.313	20.5	LOS C	63	0.59	0.74	38.4
All Vehicles		1832	4.1	0.702	24.4	LOS C	110	0.75	0.75	35.9

2028 AM Peak Phasing
Phasing Summary
Casuarina Way The Boulevard

2028 Masterplan AM Peak

C = **90** seconds
Cycle Time Option: **Optimum cycle time (Minimum Delay)**
Phase times determined by the program.

Phase G  Green Time = 27 seconds Phase Time = 33 seconds Phase Split = 37 %	Phase H  Green Time = 19 seconds Phase Time = 25 seconds Phase Split = 28 %	Phase New P  Green Time = 6 seconds Phase Time = 12 seconds Phase Split = 13 %
Phase J  Green Time = 14 seconds Phase Time = 20 seconds Phase Split = 22 %		

2028 PM Peak Movement Summary

Movement Summary

Casuarina Way The Boulevard

2028 Masterplan PM Peak

Signalised - Fixed time Cycle Time = 90 seconds

Vehicle Movements

Mov ID	Turn	Dem Flow (veh/h)	% HV	Deg of Satn (v/c)	Aver Delay (sec)	Level of Service	95 % Back of Queue (m)	Prop. Queued	Eff. Stop Rate	Aver Speed (km/h)
Casuarina Way South										
1	L	254	3.9	0.573	29.4	LOS C	70	0.76	0.80	33.2
2	T	360	3.9	0.897	50.7	LOS D	143	1.00	1.11	25.1
3	R	24	4.2	0.146	40.1	LOS D	10	0.84	0.72	28.5
Approach		638	3.9	0.897	41.9	LOS D	143	0.90	0.97	27.9
The Boulevard (east)										
4	L	24	4.2	0.698	49.7	LOS D	77	1.00	0.86	25.4
5	T	181	3.9	0.697	41.3	LOS D	77	1.00	0.86	28.1
6	R	79	3.8	0.478	48.4	LOS D	34	0.96	0.79	25.7
Approach		284	3.9	0.697	44.0	LOS D	77	0.99	0.84	27.1
Casuarina Way North										
7	L	82	3.7	0.364	21.3	LOS C	78	0.62	0.79	37.9
8	T	283	3.9	0.364	13.0	LOS B	78	0.62	0.54	44.2
9	R	487	3.9	0.886	44.8	LOS D	156	1.00	1.07	26.9
Approach		852	3.9	0.886	32.0	LOS C	156	0.84	0.87	32.0
The Boulevard (west)										
10	L	523	4.0	0.442	16.3	LOS B	91	0.52	0.79	41.5
11	T	203	3.9	0.320	24.2	LOS C	60	0.79	0.66	36.0
12	R	282	3.9	0.907	52.1	LOS D	103	1.00	1.08	24.7
Approach		1008	4.0	0.907	27.9	LOS C	103	0.71	0.84	34.0
All Vehicles		2782	3.9	0.907	34.0	LOS C	156	0.82	0.88	31.0

2028 PM Peak Phasing
Phasing Summary
Casuarina Way The Boulevard

2028 Masterplan PM Peak

C = **90** seconds
Cycle Time Option: **Optimum cycle time (Minimum Delay)**
Phase times determined by the program.

Phase G  Green Time = 23 seconds Phase Time = 29 seconds Phase Split = 32 %	Phase H  Green Time = 19 seconds Phase Time = 25 seconds Phase Split = 28 %	Phase I  Green Time = 10 seconds Phase Time = 16 seconds Phase Split = 18 %
6.1.1 Phase J  Green Time = 14 seconds Phase Time = 20 seconds Phase Split = 22 %		

Appendix E

RTA Documents

Table E.1**RTA Generation Rates**

Use		Rate (weekday peak hour)
Dwelling Houses		0.85
Medium Density	Up to two bedrooms	0.4-0.5
Residential Flat Building	Three or more bedrooms	0.5-0.65
Shopping Centres	0-10,000sq.m GLFA	12.4 per 100sq.m GLFA
Office and Commercial		2 per 100sq.m GFA

ATTACHMENT 1

Permanent Feature <<accPERM>>

Features of roadway construction

- 01 Narrow roadway
- 02 Narrow or one-lane bridge
- 03 Low clearance overhead bridge
- 04 Other bridge
- 05 Low clearance structure other than bridge
- 06 Causeway
- 07 Flood or dip
- 08 Ditch, drain or culvert
- 09 Embankment or cutting
- 10 Underpass or tunnel
- 11 Railway level crossing
- 12 Steep grade
- 13 Crest
- 14 Speed hump, slow point or chicane
- 15 Footpath, cycle path or nature strip
- 16 Driveway or entrance
- 17 Loading Bay
- 18 Cattle grid, gate or stock crossing

Lane features and road controls

- 20 Breakdown lane or road shoulder
- 21 Climbing or merging lanes
- 22 Bus or transit lane
- 23 Clearway
- 24 S-lanes or turning bay
- 25 Bus stop
- 26 Reserved bus roadway
- 27 Painted double centre lines
- 28 Mid-block median opening
- 29 Channelised intersection with traffic islands
- 30 Freeway ramp or access road
- 31 Safety ramp
- 32 Designated light traffic route
- 97 Other permanent feature
- 98 No identifiable permanent feature

ATTACHMENT 1

Hazardous road surface features <<accHAZ>>

- 01 Loose gravel on sealed surface
- 02 Loose gravel on shoulder
- 03 Pot holes, corrugations or other rough surfaces
- 04 Slippery surface (oily or greasy)
- 05 Flooded or submerged / water lying on road
- 97 Other hazardous feature
- 98 No identifiable hazardous feature

Temporary features of location <<accTEMP>>

- 01 Roadworks / detour / temporary diversion
- 02 Previous accident
- 03 Police roadblock, random breath testing station or 'radar trap'
- 04 Thick raised dust
- 97 Other temporary feature
- 98 No identifiable temporary feature

ATTACHMENT 2

OTHER TRAFFIC CONTROLS <<accOTHTC>>

- 01 Pedestrian crossing
- 02 Stop sign
- 03 Give way sign
- 04 Police
- 05 'Turn left at any time with care' sign
- 06 'Left turn on red permitted after stopping' sign
- 07 'No right turn' sign
- 08 'No left turn' sign
- 09 'No U turn' sign
- 10 'No entry' or 'Wrong way' sign
- 11 'Form one lane'/'Give way when merging'/'Left lane ends' sign
- 12 'Trucks must engage low gear' sign
- 13 'Keep left unless overtaking' sign
- 14 'Low clearance' sign
- 15 Rail crossing with flashing signals
- 16 Rail crossing with stop sign
- 17 Rail crossing with no signals or stop sign
- 18 Road / railway worker

- 30 Other traffic control

- 98 Nil

- 99 Unknown/ not stated

FIRST IMPACT TYPE <<accIMP1>>

- 01 *Vehicle-vehicle «Head-on»*
- 02 *Vehicle-vehicle «Right angle»*
- 03 *Vehicle-vehicle «Nose-tail»*
- 04 *Vehicle-vehicle «Other angle»*
- 05 *Vehicle-object*
- 06 *Vehicle-pedestrian*
- 07 *Vehicle-animal*
- 08 *Vehicle-train/aeroplane*
- 09 *Vehicle-rollover*
- 10 *Person-object*

- 99 *Other / unknown*

ATTACHMENT 3

CODING OF ROAD USER MOVEMENTS <<accRUM>>



ATTACHMENT 4

TYPE OF TRAFFIC UNIT

Motor vehicles		Trailers	
01	Car (sedan)	50	Small box trailer
02	Station wagon or hatchback	51	Small boat trailer
03	Utility based on car design	52	Horse float
04	Panel van based on car design	53	Other small trailer
05	Taxi-cab	54	Large trailer
06	Forward control passenger van	55	Caravan
07	Four wheel drive vehicle not based on car design	56	Detached trailer section of semi-trailer
10	Light truck/panel van/utility not based on car design	57	Agricultural implement
11	Mobile vending vehicle (light truck)	Other traffic units	
12	Large rigid lorry	60	Ridden Animal
13	Rigid tanker	61	Animal drawn vehicle
14	Articulated tanker	62	Train
15	Semi-trailer/low loader	63	Aeroplane
16	Road train or B-double	Pedestrians	
17	'Urban Transit Authority' bus	70	Pedestrian
18	Long distance/tourist coach	71	Pedestrian in/operating toy vehicle, pedal car, pram, barrow, billycart or non-motorized wheelchair
19	Other bus	99	Other or unknown traffic unit
20	Self-propelled plant		
21	Ambulance		
22	Fire brigade/bushfire brigade vehicle		
23	Police patrol car or van		
24	Tow truck		
25	Other emergency vehicle		
26	Motorized wheelchair		
29	Other or unspecified motor vehicle		
Motorcycles			
30	Motorcycle		
31	Motorcycle with sidecar		
32	Police motorcycle		
33	Motor scooter		
34	Mini-bike		
35	Moped/Motorized 'pedal' cycle		
Pedal cycles			
40	Pedal cycle (not motor assisted)		

ATTACHMENT 5

RESTRAINT USE OF KEY CONTROLLER <<TUREST>>

- 1 Adult belt worn
- 2 Belt fitted, but not worn
- 3 No restraint fitted to this position
- 4 Open face helmet worn / bicycle helmet
- 5 Full face helmet worn
- 6 No helmet worn
- 9 Unknown / not stated
- Null No controller

LOCAL GOVERNMENT AREA (LGA) <<accLGAL>>

LGA (incorporating amalgamations from 2000)

The Local Government Area in which the accident is said to have occurred. Includes the amalgamations from 2000 onwards. Available through lookup.accLGAL.

Metropolitan L.G.A. Codes (incorporating amalgamations from 2000)

	001	City of Sydney		023	Leichhardt
A	003	Ashfield		024	Liverpool City
	004	Auburn	M	025	Manly
B	005	Bankstown City		026	Marrickville
	006	Baulkham Hills		027	Mosman
	007	Blacktown City	N	028	North Sydney
	008	Botany Bay City	P	029	Parramatta City
	009	Burwood		030	Penrith City
C	010	Camden		041	Pittwater
	011	Campbelltown City	R	031	Randwick City
	012	Canterbury City		032	Rockdale City
	001	City of Sydney		033	Ryde City
	013	Canada Bay City	S	039	South Sydney City
F	015	Fairfield City		034	Strathfield
H	016	Holroyd City		035	Sutherland
	017	Hornsby	W	036	Warringah
	018	Hunters Hill		037	Waverley
	019	Hurstville City		038	Willoughby City
K	020	Kogarah		039	South Sydney City
	021	Ku-ring-gai		040	Woollahra
L	022	Lane Cove		041	Pittwater

Country L.G.A. Codes (incorporating amalgamations from 2000)

	110	Evans		154	Central Darling
A	111	Albury City		155	Cessnock City
	112	Armidale Dumaresq		157	Cobar
				160	Coffs Harbour City
B	116	Ballina		161	Hawkesbury City
	117	Balranald		162	Conargo
	118	Barraba		164	Coolah

	119	Bathurst City	165	Coolamon
	120	Bega Valley	166	Cooma-Monaro
	121	Bellingen	168	Coonabarabran
	122	Berrigan	170	Coonamble
	124	Bingara	171	Cootamundra
	125	Bland	172	Copmanhurst
	257	Blayney	174	Corowa
	127	Blue Mountains City	175	Cowra
	128	Bogan	177	Crookwell
	129	Bombala	179	Culcairn
	133	Boorowa	190	Bourke
	190	Bourke	191	Deniliquin
	137	Brewarrina	193	Dubbo City
	138	Broken Hill City	195	Dungog
	141	Byron	E 199	Eurobodalla
C	150	Cabonne	110	Evans
	152	Carrathool	F 200	Forbes
G	204	Gilgandra	O 305	Oberon
	205	Glen Innes	306	Orange City
	207	Gloucester	P 308	Parry
	211	Gosford City	309	Parkes
	212	Goulburn City	315	Port Stephens
	213	Grafton City	299	Pristine Waters
	330	Great Lakes	Q 318	Queanbeyan City
	337	Greater Taree City	319	Quirindi
	360	Griffith City	R 320	Richmond Valley
	217	Gundagai	321	Rylstone
	219	Gunnedah		
	220	Gunning	S 324	Scone
	221	Guyra	325	Severn
H	225	Harden	326	Shellharbour City
	226	Hastings	327	Shoalhaven City
	161	Hawkesbury City	328	Singleton
	227	Hay	329	Snowy River
	228	Holbrook	330	Great Lakes
	230	Hume	T 334	Tallaganda
I	234	Inverell	336	Tamworth City
J	237	Jerilderie	337	Greater Taree City
	239	Junee	338	Temora
K	240	Kempsey	339	Tenterfield
	241	Kiama	348	Tumbarumba
	244	Kyogle	350	Tumut
L	248	Lachlan	353	Tweed
	249	Lake Macquarie City		
	251	Leeton	U 376	Unincorporated Area
	252	Lismore City	357	Uralla
	253	Lithgow City	358	Urana
	255	Lockhart	360	Griffith City
	256	Lord Howe Island	W 361	Wagga Wagga City
	257	Blayney	362	Wakool
M	262	Maclean	363	Walcha
	264	Maitland City	364	Walgett
	265	Manilla	367	Warren
	267	Merriwa	370	Weddin

	273	Moree Plains		372	Wellington
	275	Mudgee		374	Wentworth
	277	Mulwaree		376	Unincorporated Area
	279	Murray			
	280	Murrumbidgee		378	Wingecarribee
	282	Murrurundi		380	Wollondilly
	284	Muswellbrook		510	Wollongong City
N	291	Nambucca		384	Wyang
	293	Narrabri	Y	390	Yallaroi
	295	Narrandera		391	Yarrowlumla
	296	Narromine		392	Yass
	610	Newcastle City		393	Young
	298	Nundle		510	Wollongong City
	299	Pristine Waters		610	Newcastle City

ATTACHMENT 6

MANOEUVRES OF KEY TRAFFIC UNIT <<tuMAN >>

Stationary

- 01 Stationary in traffic
- 02 Parked at kerbside/roadside
- 03 Parked at kerbside/roadside loading or depositing goods /passengers
- 04 Double parked
- 05 Broken down in traffic
- 06 Parked or stationary on footpath
- 07 Parked elsewhere

Moving along roadway

- 10 Proceeding along lane (on either straight or curved road)
- 11 Pulling out from kerb or parking (forward)
- 12 Veering to right to change to a lane moving in the same direction
- 13 Veering to left to change to a lane moving in the same direction
- 14 Merging with traffic in same direction
- 15 Pulling out into opposite stream of traffic
- 16 Travelling on incorrect side of road (including wrong way on one-way street)
- 17 Cutting back after overtaking

Turning or reversing

- 20 Turning right out of own lane
- 21 Turning left out of own lane
- 22 Waiting to turn right
- 23 Waiting to turn left
- 24 Performing U-turn
- 25 Entering roadway from driveway (forward or unspecified)
- 26 Entering roadway from driveway (reversing)
- 27 Moving along footpath
- 29 Performing other/unspecified **forward** manoeuvre
- 30 Reversing in lane (other than parking)
- 31 Parking (reversing)
- 39 Performing other/ unspecified **reversing** manoeuvre

Pedestrians

- 40 Pedestrian walking across roadway
- 41 Pedestrian running across roadway
- 42 Pedestrian standing still on roadway
- 43 Pedestrian lying/sitting on roadway
- 44 Pedestrian working on roadway
- 45 Pedestrian working on vehicle on roadway
- 46 Pedestrian playing on roadway
- 47 Pedestrian in/on toy vehicle on roadway
- 48 Pedestrian moving along edge of road **with** traffic
- 49 Pedestrian moving along edge of road **against** traffic
- 50 Pedestrian stepping off/ onto kerb
- 51 Pedestrian stepping off/ onto traffic island or median strip
- 52 Pedestrian on footpath or elsewhere completely off roadway
- 59 Pedestrian performing other/unspecified manoeuvre
- 60 Other traffic manoeuvres

ATTACHMENT 7

TYPE OF DAY <<accDATEG >>

- 1 Christmas
- 2 Easter
- 3 Other public holidays (Bank Holiday **not** included)
- 4 Other school holidays
- 5 Other weekends
- 6 Other weekdays

The six categories are *mutually exclusive*.

PUBLIC HOLIDAY PERIODS <<accPUB>>

- 1 New Year
- 2 Australia Day
- 3 Easter
- 4 Anzac Day
- 5 Queen's Birthday
- 6 Labour Day
- 7 Christmas
- 8 Other weekend
- 9 Other weekday

SCHOOL HOLIDAY PERIODS <<accSKL>>

- 1 January school holidays
- 2 Easter school holidays
- 3 June/July school holidays
- 4 September/October school holidays
- 5 December school holidays
- 6 Other weekend
- 7 Other weekday

ATTACHMENT 8

TYPE OF FIRST OBJECT IMPACTED <<tuOBJ1 >>

Fixed objects

- 40 Body of water (river etc)
- 50 Bridge railing or superstructure
- 51 Underpass or tunnel (wall or pier)
- 52 Guide post
- 53 Guardrail or fence
- 54 Utility pole
- 55 Traffic signal pole
- 56 Signpost or parking meter
- 57 Traffic island / roundabout / dome /
median strip / Jersey median /
LATM
- 58 Telephone box / post box / traffic
signal box / bus shelter
- 59 Roadwork materials / temporary
signs or barriers
- 60 Level crossing gates
- 61 Drain or culvert
- 62 Embankments / cuttings / rocky
outcrops / boulders etc.
- 63 Trees or bushes
- 64 Building
- 65 Vehicle interior
- 66 Vehicle exterior
- 69 Any other **fixed** objects.

Falling objects

- 70 Object falling from moving vehicle

Other non-fixed objects

- 75 Other **non-fixed** objects

Animals

- 80 Straying stock
- 81 Stock driven or led
- 82 Riderless horse
- 83 Kangaroo or wallaby
- 84 Emu
- 85 Other **large** animals
- 86 Cat
- 87 Dog
- 88 Rabbit
- 89 Wombat
- 90 Other **small** animals
- 98 **No** object hit
- 99 Unknown / no stated

Codes 65 'Vehicle interior' and 66 'Vehicle exterior' are only used in conjunction with Road User Movement code 90 'Fell in / from vehicle'.